

# ACESSÓRIOS DE COBRE 5000

**PARA SOLDAR**

## Características

Acessórios fabricados de acordo com a norma EN 1254-1, concebidos para unir tubos de cobre (EN 1057).

## Aplicações

- Instalações de água potável e sanitária (quente e fria).
- Instalações de aquecimento central.
- Instalações de gás natural e GLP.
- Medidas de 6 a 159 mm.

## 5001 A Curva 90° MF



Medida	Saco	Preço
6 mm	10	7,51
8 mm	10	7,08
10 mm	10	4,9
12 mm	10	1,67
14 mm	10	1,53
15 mm	10	1,33
16 mm	25	1,64
18 mm	10	2,08
22 mm	10	2,88
28 mm	10	8
35 mm		23,57
42 mm	2	35,33
54 mm		65,68
64 mm		215,8
67 mm		213,58
70 mm		252,13
76 mm		313,03
80 mm		372,63
89 mm		551,33
108 mm		635,46
133 mm		1152,76
159 mm		1446,16

## 5002 G Curva Aborcadada



Medida	Saco	Preço
12-1/2 mm	25	3,64
14-1/2 mm	25	3,58
15-1/2 mm	25	3,64
15-3/4 mm	25	5,92
16-1/2 mm	25	4,25
18-1/2 mm	25	4,56
18-3/4 mm	25	5,92
22-1/2 mm	25	7,8
22-3/4 mm	25	6,2
22-1 mm	10	9,55
28-1 mm	10	11,31

**5002A**  
Curva 90°FF



Medida	Saco	Preço
6 mm	10	5,49
8 mm	10	5,99
10 mm	10	2,15
12 mm	10	0,95
14 mm	10	1,59
15 mm	25	1,3
16 mm	10	1,51
18 mm	10	1,88
22 mm	10	2,9
28 mm	10	4,68
35 mm	2	12,91
42 mm	2	17,87
54 mm		50,41
64 mm		166,06
67 mm		208,36
70 mm		237,08
76 mm		286,35
80 mm		370,6
89 mm		447,28
108 mm		530,77
133 mm		1110,01
159 mm		1396,92

**5041**  
Curva 45°FF



Medida	Saco	Preço
6 mm	10	9,69
8 mm	10	6,62
10 mm	10	5,72
12 mm	10	3,55
14 mm	10	1,69
15 mm	25	1,19
16 mm	10	1,9
18 mm	10	2,54
22 mm	10	2,93
28 mm	10	5,23
35 mm	2	18,32
42 mm		32,28
54 mm		59
63 mm		209,62
64 mm		203,17
67 mm		208,33
70 mm		235,17
76 mm		243,18
80 mm		274,75
89 mm		277,32
108 mm		580,08
133 mm		1224,26
159 mm		1812,04

**5002 G**  
Curva  
Aborcardada  
Junta Plana



Medida	Saco	Preço
12-1/2 mm	25	3,94
15-1/2 mm	25	3,78
15-3/4 mm	25	5,92
16-3/4 mm		6,08
18-1/2mm	25	4,35
18-3/4mm	25	5,92
22-3/4mm	25	6,2
22-1 mm	10	9,12
28-1mm	10	11,67

**5060**  
Curva 180°FF



Medida	Saco	Preço
10 mm	10	9,53
12 mm	10	10,42
15 mm	10	14,22
16 mm	10	16,7
18 mm	10	21,05
22 mm	10	25,1
28 mm	5	36,35
35 mm		86,54
42 mm		134,25
54 mm		216,19

**5002G**  
Curva  
Aborcardada  
Junta Plana  
C/ Precinto



Medida	Saco	Preço
22-3/4 mm	25	6,76 €
22-7/8 mm	10	8,74 €
28-7/8 mm	10	11,12€

**5040**  
**Curva 45° MF**



Medida	Saco	Preço
8 mm	10	8,43
10 mm	10	6,44
12 mm	10	2,44
14 mm	10	2,06
15 mm	25	1,09
16 mm	10	2,63
18 mm	10	2,6
22 mm	10	2,52
28 mm	10	5,35
35 mm	2	20,2
42 mm	2	35,27
54 mm	2	59
63 mm		265,97
64 mm		199,61
67 mm		224,66
76 mm		240,73
80 mm		274,07
89 mm		272,65
108 mm		652,08
133 mm		1224,26

**5130**  
**Tê FFF**



Medida	Saco	Preço
6 mm	10	4,74
8 mm	10	5,54
10 mm	10	4,18
12 mm	10	1,76
14 mm	10	1,73
15 mm	25	1,5
16 mm	10	1,98
18 mm	10	3
22 mm	10	4,47
28 mm	10	8,17
35 mm		23,65
42 mm		44,42
54 mm		75,28
63 mm		245,43
64 mm		224,91
67 mm		237,72
76 mm		278,32
80 mm		374,49
89 mm		465,17
108 mm		638,98
133 mm		2504,99

**5090**  
**Joelho 90° FF**



Medida	Saco	Preço
6 mm	10	5,65
8 mm	10	5,63
10 mm	10	2,78
12 mm	10	0,97
14 mm	10	1,17
15 mm	25	0,97
16 mm	10	1,47
18 mm	10	1,43
22 mm	10	2,36
25 mm	10	4,48
28 mm	10	3,92
35 mm	2	15,73
42 mm	2	25,78
54 mm	1	49,01
63 mm		293,34
64 mm		116,3
67 mm		180,49
76 mm		241,28
108 mm		567,89

**5085**  
**União Cruzamento FF**



Medida	Saco	Preço
12 mm	10	12,91
14 mm	10	13,07
15 mm	10	6,28
16 mm	10	14,6
18 mm	10	16,95
22 mm	10	22,71

**5092**  
Joelho 90° MF



Medida	Saco	Preço
6 mm	10	7,78
8 mm	10	6,7
10 mm	10	4,39
12 mm	10	2,08
14 mm	10	1,35
15 mm	25	1,04
16 mm	10	1,64
18 mm	10	2,3
22 mm	10	3,54
28 mm	10	6,24
35 mm		24,77
42 mm		35,11
54 mm		68,17
63 mm		212,77
64 mm		176,55

**5086**  
União  
Cruzamento MF



Medida	Saco	Preço
12 mm	10	11,57
14 mm	10	11,91
15 mm	10	5,75
16 mm	10	13,37
18 mm	10	14,08
22 mm	10	19,68

**5130**  
Tê Redução FFF



Medida	Saco	Preço
6-8-6 mm	10	14,97
6-10-6 mm	10	14,85
8-6-6 mm	10	11,9
8-6-8 mm	10	10,17
8-10-8 mm	10	14,9
10-6-10 mm	10	12,23
10-8-8 mm	10	14,08
10-8-10 mm	10	11,9
10-10-8 mm	10	13,52
10-12-10 mm	10	12,14
10-15-10 mm	10	18,69
12-6-12 mm	10	12,85
12-8-10 mm	10	16,5
12-8-12 mm	10	18,55
12-10-10 mm	10	11,61

**5130**  
Tê Redução FFF



12-10-12 mm	10	8,92
12-12-10 mm	10	9,66
12-14-12 mm	10	4,68
12-15-12 mm	10	9,16
12-16-12 mm	10	6,96
12-18-12 mm	10	15,1
14-10-12 mm	10	5,17
14-10-14 mm	10	4,43
14-12-10 mm	10	4,28
14-12-12 mm	10	4,17
14-12-14 mm	10	2,46
14-14-10 mm	10	8,46
14-14-12 mm	10	4,6
14-16-12 mm	10	5,85
14-16-14 mm	10	5,17
14-18-14 mm	10	5,71
15-8-15 mm	10	15,02
15-10-10 mm	10	17,61
15-10-12 mm	10	16,74
15-10-15 mm	10	9,28
15-12-10 mm	10	20,18
15-12-12 mm	10	6,85
15-12-15 mm	10	3,38
15-15-10 mm	10	22,95
15-15-12 mm	10	8,7
15-18-12 mm	10	20,82
15-18-15 mm	10	8,44
15-22-15 mm	10	17,91
16-10-16 mm	10	6,23
16-12-12 mm	10	5,4
16-12-14 mm	10	5,02
16-12-16 mm	10	3,66
16-14-12 mm	10	5,99
16-14-14 mm	10	3,66
16-14-16 mm	10	2,81
16-16-12 mm	10	5,63
16-16-14 mm	10	3,87
16-18-14 mm	10	8,82
16-18-16 mm	10	8,35
16-22-16 mm	10	11,68
18-10-18 mm	10	20,98
18-12-12 mm	10	15,81

**5130**  
**Tê Redução FFF**



18-12-14mm	10	<b>8,91</b>
18-12-15mm	10	<b>14,16</b>
18-12-16mm	10	<b>8,83</b>
18-12-18mm	10	<b>5,89</b>
18-14-12mm	10	<b>9,06</b>
18-14-14mm	10	<b>6,98</b>
18-14-16mm	10	<b>7,11</b>
18-14-18mm	10	<b>3,63</b>
18-15-12mm	10	<b>17,48</b>
18-15-15mm	10	<b>4,1</b>
18-15-18mm	25	<b>2,49</b>
18-16-14mm	10	<b>7,67</b>
18-16-16mm	10	<b>7,42</b>
18-16-18mm	10	<b>6,85</b>
18-18-12mm	10	<b>19,09</b>
18-18-14mm	10	<b>7,14</b>
18-18-15mm	10	<b>5</b>
18-18-16mm	10	<b>7,42</b>
18-22-15mm	10	<b>16,94</b>
18-22-18mm	10	<b>11,57</b>
18-28-18mm	10	<b>34,83</b>
22-10-22mm	10	<b>19,49</b>
22-12-12mm	10	<b>18,83</b>
22-12-14mm	10	<b>13,04</b>
22-12-15mm	10	<b>22,25</b>
22-12-18mm	10	<b>21,17</b>
22-12-22mm	10	<b>12,6</b>
22-14-14mm	10	<b>12,51</b>
22-14-16mm	10	<b>13,6</b>
22-14-18mm	10	<b>13,3</b>
22-14-22mm	10	<b>6,31</b>
22-15-12mm	10	<b>22,41</b>
22-15-15mm	10	<b>7,42</b>
22-15-18mm	10	<b>8,22</b>
22-15-22mm	10	<b>3,52</b>
22-16-16mm	10	<b>11,32</b>
22-16-18mm	10	<b>12,88</b>
22-16-22mm	10	<b>6,62</b>
22-18-14mm	10	<b>10,3</b>
22-18-15mm	10	<b>16,33</b>
22-18-16mm	10	<b>11,63</b>
22-18-18mm	10	<b>8,78</b>
22-18-22mm	10	<b>5,4</b>

**5130**  
**Tê Redução FFF**



22-20-22mm	10	<b>13,29</b>
22-22-12mm	10	<b>21,17</b>
22-22-14mm	10	<b>11,72</b>
22-22-15mm	10	<b>11,25</b>
22-22-16mm	10	<b>12,49</b>
22-22-18mm	10	<b>13,32</b>
22-28-22mm	10	<b>22,63</b>
28-12-28mm	10	<b>26,14</b>
28-14-28mm	10	<b>19,29</b>
28-15-15mm	10	<b>28,95</b>
28-15-22mm	10	<b>21,02</b>
28-15-28mm	10	<b>8,23</b>
28-16-16mm	10	<b>20,72</b>
28-16-22mm	10	<b>22,63</b>
28-16-28mm	10	<b>18,24</b>
28-18-15mm	10	<b>31,12</b>
28-18-18mm	10	<b>31,68</b>
28-18-22mm	10	<b>20,86</b>
28-18-28mm	10	<b>14,48</b>
28-22-15mm	10	<b>33,19</b>
28-22-16mm	10	<b>22,63</b>
28-22-18mm	10	<b>29,99</b>
28-22-22mm	10	<b>17,01</b>
28-22-28mm	10	<b>9,18</b>
28-28-14mm	10	<b>25,56</b>
28-28-15mm	10	<b>32,98</b>
28-28-16mm	10	<b>32,05</b>
28-28-18mm	10	<b>28,52</b>
28-28-22mm	10	<b>22,47</b>
28-35-28mm		<b>43,31</b>
35-15-28mm		<b>61,55</b>
35-15-35mm		<b>39,6</b>
35-18-35mm		<b>40,94</b>
35-22-22mm		<b>58,76</b>
35-22-28mm		<b>36,61</b>
35-22-35mm	2	<b>26,4</b>
35-28-15mm	10	<b>73,58</b>
35-28-22mm		<b>55,06</b>
35-28-28mm		<b>37,56</b>
35-28-35mm		<b>37,67</b>
35-35-22mm		<b>67,2</b>
35-35-28mm		<b>63,51</b>
42-15-42mm		<b>83,22</b>

**5130**  
**Tê Redução FFF**



42-18-42 mm	<b>88,74</b>
42-22-42 mm	<b>58,2</b>
42-28-35 mm	<b>54,15</b>
42-28-42 mm	<b>64,24</b>
42-32-42 mm	<b>124,84</b>
42-35-35 mm	<b>103,13</b>
42-35-42 mm	<b>79,62</b>
42-42-28 mm	<b>108,89</b>
42-42-35 mm	<b>109,37</b>
54-15-54 mm	<b>176,28</b>
54-22-54 mm	<b>127,54</b>
54-28-54 mm	<b>138,54</b>
54-35-54 mm	<b>138,73</b>
54-42-42 mm	<b>160,35</b>
54-42-54 mm	<b>139,8</b>
54-54-42 mm	<b>166,78</b>
64-35-64 mm	<b>225,2</b>
64-42-64 mm	<b>225,2</b>
64-54-64 mm	<b>204,75</b>
67-22-67 mm	<b>229,18</b>
67-28-67 mm	<b>246,36</b>
67-35-67 mm	<b>258,56</b>
67-42-67 mm	<b>284,4</b>
67-54-67 mm	<b>309,89</b>
76-22-76 mm	<b>434</b>
76-35-76 mm	<b>411,8</b>
76-42-76 mm	<b>451,51</b>
76-54-76 mm	<b>414,09</b>
76-64-76 mm	<b>455,51</b>
76-67-76 mm	<b>574,27</b>
80-54-80 mm	<b>470,84</b>
89-54-89 mm	<b>458,81</b>
89-64-89 mm	<b>458,81</b>
89-76-89 mm	<b>607,64</b>
108-35-108 mm	<b>463,84</b>
108-54-108 mm	<b>616,46</b>
108-64-108 mm	<b>636,01</b>
108-67-108 mm	<b>739,53</b>
108-76-108 mm	<b>702,89</b>
108-89-108 mm	<b>851,34</b>
133-108-133 mm	<b>1081,06</b>
159-108-159 mm	<b>1544,39</b>
159-133-133 mm	<b>1985,58</b>

**5240**  
**União**  
**Redução FF**



Medida	Saco	Preço
8-6 mm	10	<b>5,96</b>
10-6 mm	10	<b>5,41</b>
10-8 mm	10	<b>6,44</b>
12-8 mm	10	<b>5,96</b>
12-10 mm	10	<b>3,28</b>
14-10 mm	10	<b>1,77</b>
14-12 mm	10	<b>1,57</b>
15-8 mm	10	<b>4,57</b>
15-10 mm	10	<b>4,73</b>
15-12 mm	10	<b>1,78</b>
15-14 mm	10	<b>2,06</b>
16-10 mm	10	<b>2,22</b>
16-12 mm	10	<b>1,96</b>
16-14 mm	10	<b>1,57</b>
16-15 mm	10	<b>3,16</b>
18-10 mm	10	<b>7,13</b>
18-12 mm	10	<b>4,32</b>
18-14 mm	10	<b>2,58</b>
18-15 mm	10	<b>1,49</b>
18-16 mm	10	<b>2,67</b>
22-12 mm	10	<b>9,48</b>
22-14 mm	10	<b>3,93</b>
22-15 mm	10	<b>4,1</b>
22-16 mm	10	<b>4,21</b>
22-18 mm	10	<b>2,79</b>
28-12 mm	10	<b>15,5</b>
28-14 mm	10	<b>10,67</b>
28-15 mm	10	<b>9,06</b>
28-16 mm	10	<b>11,02</b>
28-18 mm	10	<b>8,83</b>
28-20 mm	10	<b>14,08</b>
28-22 mm	10	<b>4,39</b>
28-25 mm	10	<b>10,09</b>
35-15 mm		<b>25,25</b>
35-18 mm		<b>26,78</b>
35-22 mm		<b>17,54</b>
35-28 mm		<b>21,55</b>
42-22 mm		<b>37,96</b>
42-28 mm		<b>30,9</b>
42-32 mm		<b>9,16</b>
42-35 mm		<b>24,17</b>
42-36 mm		<b>29,78</b>

**5240**  
**União**  
**Redução FF**



54-22 mm		<b>66,13</b>
54-28 mm		<b>64,85</b>
54-35 mm	2	<b>53,82</b>
54-42 mm		<b>46,3</b>
64-35 mm		<b>54,59</b>
64-42 mm		<b>54,67</b>
64-54 mm		<b>70,4</b>
67-28 mm		<b>127,69</b>
67-42 mm		<b>98,2</b>
67-54 mm		<b>107,78</b>
67-64 mm		<b>107,78</b>
70-54 mm		<b>110,03</b>
76-28 mm		<b>165,49</b>
76-35 mm		<b>160,73</b>
76-42 mm		<b>167,24</b>
76-54 mm		<b>115,46</b>
76-64 mm		<b>113,39</b>
76-67 mm		<b>122,77</b>
80-54 mm		<b>117,42</b>
89-76 mm		<b>158,43</b>
108-64 mm		<b>263,69</b>
108-76		<b>245,98</b>
108-89		<b>259,9</b>

**5240 G**  
**União**  
**Abocardada**



Medida	Saco	Preço
10-3/8 mm	25	<b>2,52</b>
10-1/2 mm	25	<b>2,98</b>
12-3/8 mm	25	<b>2,49</b>
12-1/2 mm	25	<b>2,18</b>
12-20x1,5 mm	25	<b>3,68</b>
14-3/8 mm	25	<b>2,82</b>
14-1/2 mm	25	<b>2,64</b>
15-3/8 mm	25	<b>2,88</b>
15-1/2 mm	25	<b>2,3</b>
15-3/4 mm	25	<b>3,66</b>
15-20X1,5 mm	25	<b>3,68</b>
16-1/2 mm	25	<b>2,66</b>
16-3/4 mm	25	<b>4,16</b>
18-1/2 mm	25	<b>2,62</b>
18-3/4 mm	25	<b>3,52</b>
18-1 mm	10	<b>6,31</b>
18-20X1,5 mm	25	<b>4,41</b>
22-1/2 mm	25	<b>5,88</b>
22-3/4 mm	25	<b>4,07</b>
22-1 mm	10	<b>6,03</b>
22-1.1/4 mm	10	<b>13,03</b>
22-20x1,5 mm	25	<b>7,83</b>
28-3/4 mm	25	<b>8,38</b>
28-1 mm	10	<b>6,53</b>
28-1.1/4 mm	10	<b>11,19</b>
35-1.1/4 mm	10	<b>12,46</b>
35-1.1/2 mm	10	<b>16,06</b>
42-1.1/2 mm	10	<b>16,7</b>
42-2 mm	5	<b>30,12</b>
54-2 mm	5	<b>32,02</b>

**5240 G**  
**União**  
**Abocardada**  
**C/ Precinto**



Medida	Saco	Preço
15-1/2 mm	25	<b>3,02</b>
15-3/4 mm	25	<b>4,68</b>
15-7/8 mm	10	<b>5,92</b>
18-1/2 mm	25	<b>3,53</b>
18-3/4 mm	25	<b>4,24</b>
18-7/8 mm	25	<b>6,31</b>
22-3/4 mm	25	<b>4,1</b>
22-7/8 mm	25	<b>5,5</b>
22-1 mm	10	<b>6,37</b>
22-1.1/4 mm	10	<b>12,73</b>
28-3/4 mm		<b>8,2</b>
28-7/8 mm	10	<b>7,2</b>
28-1 mm	10	<b>7,49</b>
28-1.1/4 mm	10	<b>11,3</b>
35-1.1/4mm	10	<b>13,75</b>
42-1.1/2mm		
54-1 mm	5	<b>32,82</b>

**5243**  
**União**  
**Redução MF**



Medida	Saco	Preço
8-6 mm	10	5
10-6 mm	10	6,02
10-8 mm	10	4,16
12-6 mm	10	6,4
12-8 mm	10	3,66
12-10 mm	10	2,74
14-10 mm	10	1,88
14-12 mm	10	1,18
15-8 mm	10	4,1
15-10 mm	10	3,02
15-12 mm	10	1,29
15-14 mm	10	2,83
16-10 mm	10	2,49
16-12 mm	10	1,73
16-14 mm	10	1,27
18-10 mm	10	5,58
18-12 mm	10	3,18
18-14 mm	10	1,98
18-15 mm	10	1,08
18-16 mm	10	2,06
22-10 mm	10	9,98
22-12 mm	10	7,33
22-14 mm	10	3,16
22-15 mm	10	2,03
22-16 mm	10	2,53
22-18 mm	10	2,06
22-20 mm	10	5,44
28-10 mm	10	16,25
28-12 mm	10	15,38
28-14 mm	10	9,91
28-15 mm	10	7,61
28-16 mm	10	10,19
28-18 mm	10	8,39
28-20 mm	10	12,88
28-22 mm	10	3,45
28-25 mm	10	14,08
35-15 mm		22,87
35-18 mm		18,1
35-22 mm		17,25
35-28 mm		11,42

**5243**  
**União**  
**Redução MF**



42-15 mm		51,41
42-18 mm		54,88
42-22 mm		30,94
42-28 mm		24,4
42-32 mm		9,16
42-35 mm		20,63
42-36 mm		10,3
54-15 mm		61,27
54-22 mm		60,81
54-28 mm		53,65
54-35 mm		48,26
54-42 mm		39,18
64-35 mm		100,68
64-42 mm		103,78
64-54 mm		85,24
67-28 mm		156,23
67-35 mm		155,04
67-42 mm		126,61
67-54 mm		128,82
70-54 mm		104,66
70-64 mm		111,66
76-35 mm		129,92
76-42 mm		132,59
76-54 mm		112,65
76-64 mm		125,17
76-67 mm		123,07
80-54 mm		118,15
80-64 mm		130,89
89-54 mm		168,28
89-64 mm		160,73
89-76 mm		139,43
108-54 mm		317,4
108-64 mm		336,69
108-67 mm		396,45
108-76 mm		230,1
108-89 mm		203,75
133-76 mm		597,15
133-108 mm		569,77
159-76 mm		720,73
159-108 mm		720,73
159-133 mm		720,73



**5270**  
**União FF**



Medida	Saco	Preço
6 mm	10	1,51
8 mm	10	1,73
10 mm	10	0,72
12 mm	10	0,59
14 mm	10	0,65
15 mm	25	0,55
16 mm	10	0,76
18 mm	10	0,85
22 mm	10	1,36
28 mm	10	2,48
35 mm	10	6,16
36 mm		10,41
40 mm		12,02
42 mm	2	11,76
54 mm		19,89
63 mm		81,25
64 mm		57,66
67 mm		68,65
70 mm		85,23
76 mm		76,7
80 mm		101,66
89 mm		77,31
104 mm	1	191,69
108 mm		194,02
133 mm	1	203,59
159 mm		280,78

**5359 G**  
**União**  
**Abocardada**  
**Junta Plana**



Medida	Saco	Preço
10-3/8 mm	25	2,58
10-1/2 mm	25	3,43
12,3/8 mm	25	2,58
12-1/2 mm	25	2,36
14-1/2 mm	25	2,82
15-3/8mm	25	2,86
15-1/2mm	25	2,42
15-3/4mm	25	7,95
18-1/2 mm	25	3,44
18-3/4 mm	25	3,79
18-1 mm	10	6,62
22-1/2 mm	25	10,65
22-3/4 mm	25	4,11
22-1 mm	10	5,85
28-3/4 mm	25	8,38
28-1 mm	10	6,79
28-1,1/4 mm	10	12,02
35-1.1/4 mm	10	13,54
42-1.1/2 mm	10	18,12
55-2 mm	5	33,1

**5301**  
**Taco F**



Medida	Saco	Preço
6 mm	10	4,59
8 mm	10	4,1
10 mm	10	3,73
12 mm	10	3,02
14 mm	10	3,33
15 mm	10	1,6
16 mm	10	3,66
18 mm	10	1,94
22 mm	10	3,3
28 mm	10	6,29
35 mm		16,92
42 mm		29,87
54 mm		42,32
64 mm		106,53
67 mm		81,08
76 mm		177,47
80 mm		291,51
89 mm		218,56
108 mm		298,15